

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Yihong QI et al. **GROUP ART UNIT:** To be assigned  
**FILED:** Herewith **SERIAL NO.:** To be assigned  
**FOR:** BOW TIE COUPLER

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on Form PTO 1449, a copy of which is enclosed, may be pertinent to the above-referenced application and are made of record to assist the Patent Office in its examination of this application. The Examiner is requested to fully consider the items and independently ascertain their teaching.

No fee is due since this Information Disclosure Statement is being filed

☒ within three months of the filing date of the above-identified application

☒ before the mailing date of a first Office Action on the merits.

Respectfully submitted,

Date: March 10, 2004

Brenda Pomerance  
Law Office of Brenda Pomerance  
260 West 52 St. Ste. 27B  
New York, NY 10019  
212 245-3940

Brenda Pomerance  
Brenda Pomerance, Reg. No. 36,894

<b>INFORMATION DISCLOSURE STATEMENT</b>	Application No.	
	Filing Date	Herewith
	Inventor	Yihong QI et al.
	Group Art Unit	
	Examiner	
Sheet 1 of 1	Atty. Docket No.	1805-4001

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee	Publication Date MM-DD-YYYY	Relevant text or Figs.
		Number	Kind Code			
	AA	5 884 149		Jaakola	03-16-1999	
	AB	5 006 821		Tam	04-09-1991	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Documents			Name of Patentee or Assignee	Publication Date MM-DD-YYYY	Relevant text or Figs.	Trsl. (✓)
		Office	Number	Kind Code				
	BA							
	BB							

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	AUTHOR, title, magazine, date, pages, publisher, city where published	Trsl. (✓)
	CA	Compton et al., "Bow-Tie Antennas on a Dielectric Half-Space: Theory and Experiment", IEEE Trans. Antennas, vol AP-35, no. 6, June 1987, pp 622-631	
	CB	Loi et al., "Design of a wideband microstrip bowtie patch antenna", IEEE Proc. Microw. Antennas Propag., vol. 145, no. 2, April 1998, pp 137-140	
	CC	Wong et al., "Slot-loaded bow-tie microstrip antenna for dual-frequency operation", Electronics Letters, 3rd Sept 1998, vol. 34, no. 18, pp 1713-1714	

Examiner Signature		Date Considered	
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